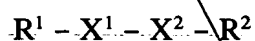


to 3 amino acid residues which are the same or different and are selected from the group consisting of sarcosine, azetidine, nipecotic acid and pipecotic acid.

14. A method for treating or preventing anaphylactic hypotension in a mammal comprising administering to the mammal an effective amount of a peptide of the formula:



wherein X^1 is an aromatic amino acid residue;

X^2 is any amino acid residue; and

R^1 is NH_2 - or an amino acid sequence $X^3 - X^4 - X^5$

wherein X^3 is an aliphatic amino acid residue having a side chain hydroxyl group and X^4 and X^5 are the same or different and are any amino acid residue and wherein R^2 is 1 to 3 amino acid residues which are the same or different and are aliphatic amino acid residues or of an effective fragment or derivative of said peptide.

15. A method of reducing or preventing an anaphylactic reaction in a mammal comprising administering an effective amount of a peptide of the formula: $R^1 - X^1 - X^2 - R^2$

wherein X^1 is an aromatic amino acid residue;

X^2 is any amino acid residue; and

R^1 is NH_2 - or an amino acid sequence $X^3 - X^4 - X^5$

H1
2
3
wherein X³ is an aliphatic amino acid residue having a side chain hydroxyl group
and X⁴ and X⁵ are the same or different and are any amino acid residue and wherein R² is 1
to 3 amino acid residues which are the same or different and are aliphatic amino acid
residues or of an effective fragment or derivative of said peptide to the mammal.

G3
~~50.~~ The method of claim 14 wherein

X¹ is phenyl alanine;

X² is Glu or Ala;

R² is selected from the group consisting of Gly, Gly-Gly and Gly-
Gly-Gly; and

R¹ is NH₂- or X³ - X⁴ - X⁵ wherein

X³ is Thr, X⁴ is Asp or Ala and

X⁵ is Ile or Ala.

G4
10
52. The method of claim *5*
14 wherein R² is 1 to 3 amino acid residues which are
the same or different and are selected from the group consisting of glycine, sarcosine,
azetidine, nipecotic acid and pipecotic acid.

G5
14
50. The method of claim *6*
15 wherein

X¹ is phenyl alanine;

X² is Glu or Ala;

G5
R² is selected from the group consisting of Gly, Gly-Gly and Gly-

Gly-Gly; and

R¹ is NH₂- or X³ - X⁴ - X⁵ wherein

X³ is Thr, X⁴ is Asp or Ala and

X⁵ is Ile or Ala.

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58. The method of claim 15 wherein R² is 1 to 3 amino acid residues which are the same or different and are selected from the group consisting of glycine, sarcosine, azetidine, nipecotic acid and pipecotic acid.

G10
Please add new claims 90-103 as follows:

90. The method of claim 14 wherein the peptide is an effective derivative of the peptide Phe-Glu-Gly.

G7
91. The method of claim 14 wherein the peptide is an effective derivative of the peptide DPhe-DGlu-Gly.

sub H3
92. The method of claim 14 wherein

X¹ is an aromatic amino acid residue;

X² is any amino acid residue;

R¹ is NH₂- and

R^2 is a single aliphatic amino acid residue.

93. The method of claim 15 wherein

X^1 is an aromatic amino acid residue;

X^2 is any amino acid residue;

R^1 is NH_2^- and

R^2 is a single aliphatic amino acid residue.

25
94.

The method of claim 14 wherein

X^1 is phenyl alanine;

R^1 is NH_2^- and

R^2 is a single aliphatic amino acid residue.

95.

The method of claim 15 wherein

X^1 is an aromatic amino acid residue;

X^2 is any amino acid residue;

R^1 is NH_2^- and

R^2 is a single aliphatic amino acid residue.

27
96.

The method of claim 14 wherein

X^1 is phenyl alanine;

X² is Glu;

R¹ is NH₂- and

R² is selected from the group consisting of Gly,

Gly-Gly and Gly-Gly-Gly.

²⁸
~~97.~~ The method of claim ⁶~~15~~ wherein

X¹ is phenyl alanine;

X² is Glu;

R¹ is NH₂- and

R² is selected from the group consisting of Gly,

Gly-Gly and Gly-Gly-Gly.

²⁹
~~98.~~ The method of claim ²³~~92~~ wherein at least one amino acid is a D-amino acid.

³⁰
~~99.~~ The method of claim ²⁴~~93~~ wherein at least one amino acid is a D-amino acid.

³¹
~~100.~~ The method of claim ²⁵~~94~~ wherein at least one amino acid is a D-amino acid.

³²
~~101.~~ The method of claim ²⁶~~95~~ wherein at least one amino acid is a D-amino acid.

³³
~~102.~~ The method of claim ²⁷~~96~~ wherein at least one amino acid is a D-amino acid.